## **PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Attorn y Docket No. 7784-000146

Application No.:

09/918,158

Filing Date:

July 30, 2001

Applicant:

Robert A. Dichiara, Jr.

Group Art Unit:

1731

Examiner:

Christopher A. Fiorilla

Title:

OXIDE BASED CERAMIC MATRIX COMPOSITES

Mail Stop Non-Fee Amendment Director of The United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

## **RESPONSIVE AMENDMENT**

Sir:

In response to the Office Action mailed November 5, 2003, please amend the application as follows and consider the remarks set forth below.

Amendments to the Specification being on page 2 of this paper.

Amendments to the Claims begin on page 8 of this paper.

Remarks begin on page 13 of this paper.

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36.00 DP

HDP/SB/21 based on PTO/SB/21 (08-00)

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BADE	841 <b>TT</b> 8 1		Application Nu	mber	09/918	158
TRANSMITTAL FORM			Filing Date		July 30, 2001	
			First Named Inventor		Robert A. Dichiara, Jr.	
(to be used for all corresp	oondence after ir	nitial filing)	Group Art Unit		1731	
		_	Examiner Name	•	Christo	pher A. Fiorilla
Total Number of Pages in This Submission			Attorney Docket	Attorney Docket Number 7784-000146		
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Fee Transmittal Form			nent Papers pplication)		Afte Gro	r Allowance Communication t up
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Amendment / Respor	se	Licensir	ng-related Papers			eal Communication to Group leal Notice, Brief, Reply Brief)
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Firm or Individual name Harness, Dickey & Pierce, P.L.		Attorney Name			Reg. No. 50,521	
Signature						
Date 56	bruary 5, 2004		5	-		
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Typed or printed name	Michael L. Ta		Dh	Expr	ress Mail el No.	EV 406 074 435 US (2/5/20
Signature			1111		ate	February 5, 2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

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## FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** 36

Complete if Known					
Application Number	09/918,158				
Filing Date	July 30, 2001				
First Named Inventor	Robert A. Dichiara, Jr.				
Examiner Name	Christopher A. Fiorilla				
Art Unit	1731				
Attorney Docket No.	7784-000146				

Check	METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)					
Deposit Account:	☑ Check ☐ Credit card ☐ Money ☐ Other ☐ None								
Deposit   Account   196-975   196-986   196-	Order			Large Entity Small Entity					
Account   Number								Fee Description	Fee Paid
Deposit   Account   Harwess, Dickey & Pierce, P.L.C.   1803   130   1933   130		08-0750		1051	130	2051	65	Surcharge - late filing fee or oath	
Account Name				1052	50	2052	25		
Name	Deposit			1053	130	1053	130	Non-English specification	
The Director is authorized to: (check all that apply)		Hamess, Dickey & Pierce, P.L.C.	ŀ	1812	2,520	1812	2,520	For filing a request for reexamination	
□ Charge fee(s) indicated below □ Credit any overpayments Charge any additional feets (s) during the pendency of this application to fis application to the above identified deposit account.  1. □ BASIC FILING FEE  Large Entity  Small Entity Fee   Fee   Fee   Gode (s)   Code (s)   Fee Paid   1255   2.010   2255   1.005   2256   2450   2255   1.005   2450   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550   2550		thorized to: (check all that apply)		1804	920*	1804	920*		
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Second   S	☐ Charge fee(s) in	idicated below, except for the filing f	ee	1251	110	2251	55	Extension for reply within first month	
DASIC FILING FEEL   Small Entity				1252	420	2252	210		
Large Entity   Small Entity   Fee   Fee   Fee   Fee   Fee   Gode (s)   Fee   Paid   1255   2.010   2255   1.005   Extension for reply within fourth month   1001   770   2001   385   Utility filing fee   1401   330   2401   165   Notice of Appeal   1002   340   2002   170   Design filing fee   1403   230   2402   165   Notice of Appeal   1401	1 BASIC EIL	NG EEE		1253	950	2253	475	Extension for reply within third month	
Code   (\$)   Code   (\$)   Code   (\$)   Fee Paid   1255   2,010   2255   1,005   Extension for reply within fifth month   1401   330   2401   165   Notice of Appeal   1402   330   2402   165   Filing a brief in support of an appeal   1402   330   2403   145   Request for oral hearing   1402   1403   1405   1	Large Entity S	Small Entity		1254	1,480	2254	740		
1001   770   2001   385   Utility filing fee     1401   330   2401   165   Notice of Appeal			Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002   340   2002   170   Design filing fee		(**/		1401	330	2401	165	Notice of Appeal	
1003   530   2003   265   Plant filing fee   1403   290   2403   145   Request for oral hearing   1403   290   2403   145   Request for oral hearing   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1452   110   2452   55   Petition to revive – unavoidable   1452   110   2452   55   Petition to revive – unavoidable   1453   1,330   2453   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1501   1,330   2501   665   Petition to revive – unavoidable   1650   1,330   1,330   1,350   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330   1,450   1,330		,		1402	330	2402	165	Filing a brief in support of an appeal	
1004   770   2004   385   Reissue filling fee     1451   1,510     1451   1,510   1,510   1,				1403	290	2403	145	Request for oral hearing	
SUBTOTAL (1) (\$) 0	1004 770 2	004 385 Reissue filing fee		1451	1,510	1451	1,510		
2. EXTRA CLAIM FEES    Extra	1005 160 2	505 80 Provisional filling fee		1452	110	2452	55	Petition to revive - unavoidable	
Extra   Fee from   Fee below   Fee   Fee   Fee   Fee   Fee   Fee   Code   (\$)   Code   (\$)   Code   (\$)   Code   (\$)   Code   Code   (\$)   Code   Code   (\$)   Code   Co	SUBTOTAL (1)			1453	1,330	2453	665	Petition to revive - unintentional	
Extra   Fee from   Fee   Fee   Paid				1501	1,330	2501	665	Utility issue fee (or reissue)	
Total Claims	2. EXTRA CLAIM			1502	480	2502	240	Design issue fee	
Total Claims				1503	640	2503	320	Plant issue fee	
Claims  Multiple Dependent  Small Entity Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 "Reissue independent claims in excess of 20 1204 86 2204 43 "Reissue independent claims over original patent  Subtotal (2) (\$) 36  Submission of Information Disclosure Recording each patent assignment Record	Total Claims 24			1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent  Large Entity Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1203 290 2203 145 Multiple dependent claims in excess of 3 1204 86 2204 43 "Reissue independent claims over original patent"  Substotial 205 9 Request for Continued Examination (RCE) 1205 18 2205 9 Request for expedited examination of a design application  SUBTOTAL (2) (\$) 36   X	Independent			1807	50	1807	50	Processing fee under 37 CFR 1.17 (q	) Ll
Dependent  Large Entity Small Entity Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid original patent  1204 86 2204 43 "Reissue independent claims over original patent  SUBTOTAL (2) (\$) 36  Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0  Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0	Claims	-3 ** = 0 X	= 0	1806	180	1806	180		
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Code   (\$)   Code   (\$)   Fee Description   (37 CFR § 1.129(a))				1800	770	2800	205	· · ·	_
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1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 "Reissue independent claims over original patent" Reissue claims in excess of 20 and over original patent  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent"  SUBTOTAL (2) (\$) 36 "Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0				1810	//0	2810	385		
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	**or number previ	ously paid, if greater; For Reissues, se	ee above		,		,	(\$) 0	

SUBMITTED BY			Complete (if applicable)
Name (Print/Type)	Michael L. Taylor	Registration No Attorney/Agent) 80,821	Telephone (248) 641-1600
Signature			Date February 5, 2004

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